

Air flow sensors

- [Air Velocity Sensor AVS](#)
- [Air Flow Sensor AFD](#)

Air Velocity Sensor AVS

SKU: AVS

Doc No: AVS-DS-EN-10

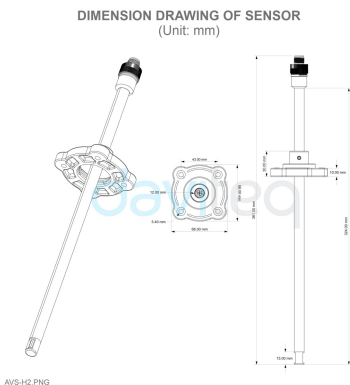
Introduction

AVS is the Air Velocity Sensor with DULP output with M12-Male connector, compatible with all kind of Wireless sensor node from Daviteq that support DULP signal.

- ❶ No moving parts;
- ❶ Excellent repeatability (1% FS);
- ❶ “Solid state” sensing core (no surface cavity or fragile membrane) resistant to clogging and pressure shock

Typical applications

- ❶ Data Center Thermal Management;
- ❶ HVAC VAV Damper Control;
- ❶ HVAC Filter Monitoring.




Specification

Technology	thermal mass flow measurement
Velocity range (m/s)	0 .. 15
Accuracy	5%
Repeatability	1%
Resolution	12 bit
Response Time	125 mSec
Output	DULP
Supply	3.3VDC
Operating temperature and humidity	-25 .. + 85 oC, 0 .. 100% RH (non condensing)
Connector	M12-Male 4 pin
Net Weight	max 500g

Ordering Code

Item code	Descriptions
AVS-15-P300	AIR VELOCITY SENSOR, DULP OUTPUT, MAX 15M/S WITH 300MM LENGTH SLIDING PROBE, FLANGE, M12-MALE CONNECTOR
AVS-15-200	DULP TYPE AIR VELOCITY SENSOR, MAX 15M/S WITH 200MM CORRUGATED CABLE, M12-MALE CONNECTOR

 [Link for full datasheet:](#)

 [Link for manual:](#)



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Air Flow Sensor AFD

SKU: AFD

Doc No: AFD-DS-EN-10

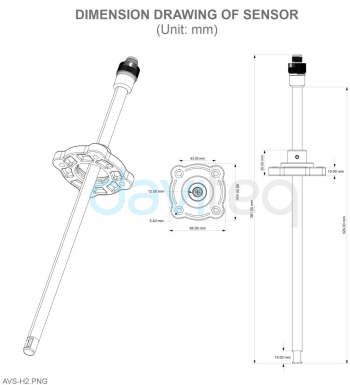
Introduction

AFD is the Air, Gas Velocity Sensor with DULP output with M12-Male connector, compatible with all kinds of Wireless sensor nodes from Daviteq that support DULP signal, for example, WS433-M12F, WSSFC-M12F, WSLRW-M12F

- ❶ No moving parts;
- ❶ Excellent repeatability (2% FS);
- ❶ Can be used for "Wet" gas;
- ❶ Adjustable stem length to suit different pipe or duct sizes

Typical applications

- ❶ Data Center Thermal Management;
- ❶ HVAC VAV Damper Control;
- ❶ HVAC Filter Monitoring
- ❶ Using for measuring the flow of Air, Argon, CO2, Nitrogen, Oxygen




Specification

Technology	Differential Pressure
Fluid to measure	Air, Nitrogen, Oxygen, Argon, CO2
Velocity range (m/s)	4-29 (for Air)
Velocity accuracy (m/s)	+/- 0.5
Max Static Pressure (barg)	Continuous 0.44
Burst pressure (barg)	0.67
Sensor probe dimension	12mm diameter, 200mm length
Process connection	Sliding proprietary flange, come with Gasket
Output	DULP
Connector	M12-Male 4 pin
Working temperature (oC)	-40 .. + 85

Working Humidity (%RH)	0-95, non-condensed
Net Weight	max 500g

Ordering Code

Item code	Descriptions
AFD-0200	AIR FLOW SENSOR, DULP OUTPUT, 4-29M/S WITH 200MM LENGTH SLIDING PROBE, FLANGE, M12-MALE CONNECTOR
AFD-0500	AIR FLOW SENSOR, DULP OUTPUT, 4-29M/S WITH 500MM LENGTH SLIDING PROBE, FLANGE, M12-MALE CONNECTOR

 [Link for full datasheet:](#)

 [Link for manual:](#)



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